

IN THE CLAIMS:

Please amend claims 1-4 and add new claims 5-20 as follows:

1. (Currently amended) An object viewer providing for enhanced illumination and observation of an object, comprising:

a housing, the housing at least partially surrounding the object and having at least one interior a first wall having, a first aperture;
a lens positioned at least one of within and adjacent to the first aperture and having a surface area at least substantially proportional to the first aperture, wherein at least a portion of the lens provides a magnified view of the object; and
a light generator, the light generator coupled to the housing, and generating a beam of light, the beam of light being transmitted through the second aperture for illumination of the object.
2. (Currently amended) An object viewer providing for enhanced illumination and observation of an object, comprising:

a housing, the housing at least partially surrounding the object, and having at least one interior surface wall, and a first aperture through which an observer can view the object;
a lens positioned at least one of within and adjacent to the at least one aperture and having a surface area at least substantially proportional to the at least one aperture; and
and a light generator, the light generator coupled to the housing, and generating a beam of light, the beam of light being reflected from the at least one interior surface wall.
3. (Currently amended) A method for providing enhanced illumination for viewing an object, comprising the steps of:

at least one of placing the object adjacent a housing and placing the housing adjacent the object, wherein the housing has having at least one interior surface wall and at least one aperture, and a lens having a magnification portion positioned at least one of within and adjacent to the at least one aperture and having a surface area at least substantially proportional to the at least one aperture;
generating a beam of light; and
directing the generated light beam of light to the object and to the at least one interior surface wall of the housing for reflection therefrom.

4. (Currently amended) An object viewer providing for enhanced illumination and observation of an object, comprising:
 - a housing, the housing at least partially surrounding the object, and having at least one interior surface wall, and a first aperture through which an observer can view the object;
 - a lens positioned at least one of within and adjacent to the first aperture and having a surface area at least substantially proportional to the first aperture, wherein the lens provides a magnified view of the object;
 - a holder positioned within the housing, the object positioned at least one of on and in the holder; and
 - a light generator, the light generator coupled to the housing, and generating a beam of light, the beam of light being reflected from the at least one interior surface wall.
5. (New) The object viewer according to claim 1, wherein the at least partially surrounding includes surrounding more than half of the object.
6. (New) The object viewer according to claim 1, wherein the at least partially surrounding includes surrounding less than half of the object.
7. (New) The object viewer according to claim 2, wherein the interior surface includes a reflective coating.
8. (New) The object viewer according to claim 1, wherein the lens is a fresnel lens.
9. (New) The object viewer according to claim 1, wherein the lens is a holographic optical element.
10. (New) The object viewer according to claim 1, wherein a plurality of portions of the lens provide magnified views of the object.
11. (New) The object viewer according to claim 1, wherein each of the plurality of portions provides a different level of magnification.

12. (New) The object viewer according to claim 1, wherein the lens is polarized.
13. (New) The object viewer according to claim 1, wherein the lens is UV transmissive.
14. (New) The object viewer according to claim 1, wherein the lens includes an antireflective coating.
15. (New) The object viewer according to claim 1, wherein the light generator is located within the housing.
16. (New) The object viewer according to claim 1, wherein the housing having a second aperture, and the light generator transmitting the beam of light via the second aperture.
17. (New) The object viewer according to claim 1, wherein the beam of light is transmitted to the object via a fiber optic cable.
18. (New) The object viewer according to claim 1, wherein the beam of light is white light.
19. (New) The object viewer according to claim 1, wherein the beam of light is UV.
20. (New) The object viewer according to claim 1, wherein the housing does not include a rear portion.